

In The Claims:

Cancel claims 1 and 3 through 5, add claims 8-10, and amend claims 6-7.

1-5. (Canceled).

6. (Currently amended). A vacuum pump as set forth in claim ~~5~~ 8, further comprising temperature control means connected with the tempering ~~means~~ component.

7. (Currently amended). A vacuum pump as set forth in claim ~~4~~ 8, wherein a plurality of tempering components is provided between the suction side flange and the recipient connection flange.

8. (New). A vacuum pump, comprising a flange provided on a suction side of the pump for connection with a connection flange of a recipient; and a separate tempering component to be arranged between the suction side flange of the pump and the recipient connection flange and including a circumferential groove provided in an outer circumferential surface of the tempering component and opening outwardly, means for enabling circulation of cooling medium through the circumferential groove, and union means connectable with an outside source of the cooling medium for feeding the cooling medium to the circumferential groove, and wherein the tempering component has a plurality bores through which connection means for connecting the recipient and the pump is extendable.

9. (New). A vacuum pump as set forth in claim 8, wherein the circulation enabling means comprises a hollow body received in the circumferential groove, and the union means is connected with the hollow body.

10. (New). A vacuum pump as set forth in claim 8, wherein the circulation enabling means comprises a sleeve for closing the groove and sealing means.